



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Wang, et al.

**Serial No.: 10/799,146**

Confirmation No.: 7933

Filed: March 12, 2004

**For: Method of Depositing an Amorphous Carbon Film For Etch Hardmask Application**

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Group Art Unit: 2812

**Examiner:** Craig Thompson

**MAIL STOP AMENDMENT**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**CERTIFICATE OF MAILING**  
37 CFR 1.8

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6/8/05                      Kim Z Zk  
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The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

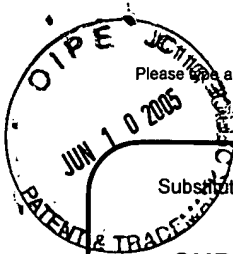
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Respectfully submitted,



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(Use as many sheets as necessary)

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of

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Application Number

10/799,146

Filing Date

March 12, 2004

First Named Inventor

Wang, et al.

Group Art Unit

2812

Examiner Name

Craig Thompson, et al.

Attorney Docket Number

AMAT/8244/DSM/BCVD/JW

Submission Date

June 8, 2005

### U.S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                       | A1                       | US-6852647                               | 02/08/2005                     | Benchner                                           |                                                                                 |
|                       | A2                       | US-6624064                               | 09/23/2003                     | Sahin, et al.                                      |                                                                                 |
|                       | A3                       | US-6596627                               | 07/22/2003                     | Mandal                                             |                                                                                 |
|                       | A4                       | US-6541842                               | 04/01/2003                     | Meynen, et al.                                     |                                                                                 |
|                       | A5                       | US-6428894                               | 08/06/2002                     | Babich, et al.                                     |                                                                                 |
|                       | A6                       | US-6358804                               | 03/19/2002                     | Kobayashi, et al.                                  |                                                                                 |
|                       | A7                       | US-6346747                               | 02/12/2002                     | Grill, et al.                                      |                                                                                 |
|                       | A8                       | US-6214637                               | 04/10/2001                     | Kim, et al.                                        |                                                                                 |
|                       | A9                       | US-6203898                               | 03/20/2001                     | Kohler, et al.                                     |                                                                                 |
|                       | A10                      | US-6184572                               | 02/06/2001                     | Mountsier, et al.                                  |                                                                                 |
|                       | A11                      | US-6183930                               | 02/06/2001                     | Ueda, et al.                                       |                                                                                 |
|                       | A12                      | US-6054379                               | 04/25/2000                     | Yau, et al.                                        |                                                                                 |
|                       | A13                      | US-5930655                               | 07/27/1999                     | Cooney, III, et al.                                |                                                                                 |
|                       | A14                      | US-5981000                               | 11/09/1999                     | Grill, et al.                                      |                                                                                 |
|                       | A15                      | US-5882830                               | 03/16/1999                     | Visser, et al.                                     |                                                                                 |
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|                       | A17                      | US-5262262                               | 11/16/1993                     | Yagi, et al.                                       |                                                                                 |
|                       |                          |                                          |                                |                                                    |                                                                                 |
|                       |                          |                                          |                                |                                                    |                                                                                 |

### NON PATENT LITERATURE DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the<br>item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue<br>number(s), publisher, city and/or country where published | T <sup>2</sup> |
|-----------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                       | C1                       | U.S. Patent Application 60/565,639, filed on April 26, 2004. (AMAT/8762L)                                                                                                                                                                                            |                |
|                       | C2                       | U.S. Patent Application 60/649,344, filed on February 2, 2005. (AMAT/9631L)                                                                                                                                                                                          |                |
|                       |                          |                                                                                                                                                                                                                                                                      |                |
|                       |                          |                                                                                                                                                                                                                                                                      |                |

Examiner

Date Considered

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